

## Dublin Core

This document was created in the context of the ASCH project<sup>1</sup>. It analysis the applicability of the Dublin Core standards according to the requirements defined by the ASCH project.

Dublin Core is a general purpose metadata standard for describing web resources as well as physical resources. The core elements of this standard were identified during a workshop for specialists of different fields, e.g. librarians, archivists, scholars of different disciplines, and metadata specialists, held in Dublin (Ohio) in 1995. The fifteen elements form a basic metadata pool applicable for the description of all kinds of resources, i.e. material subjects and electronic information.<sup>2</sup>

The following fifteen elements are the core of the DCMI metadata standards and are called the Dublin Core Metadata Element Set, Version 1.1 also published as ISO 15836<sup>3</sup>: contributor, coverage, creator, date, description, format, identifier, language, publisher, relation, rights, source, subject, title, type.<sup>4</sup>

Furthermore, the Dublin Core Metadata Initiative (DCMI) defined a number of elements and sub-elements (e.g. dateCreated) for a more granular resource description. These properties and classes are forming the coherent key vocabulary known as “DCMI Metadata Terms”, which allows illustrating manifold aspects of a resource.<sup>5</sup>

For all terms of the Dublin Core Metadata Element Set and the DCMI Metadata Terms the following conclusions apply:

- DCMI elements are optional and repeatable.
- DCMI elements may appear in any order.
- DCMI elements are independent of any particular encoding syntax (see Syntax guidelines at <http://dublincore.org/specifications/>).
- DCMI elements may be used as a metadata hub when more extensive metadata of different schemas shall be merged.

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<sup>1</sup> <http://asch.wiki.gwdg.de/index.php/asch>About>

<sup>2</sup> See: Lei Zeng, Marcia and Jian Qin (2008): Metadata, p. 17-22

<sup>3</sup> [http://www.iso.org/iso/home/store/catalogue\\_tc/catalogue\\_detail.htm?csnumber=52142](http://www.iso.org/iso/home/store/catalogue_tc/catalogue_detail.htm?csnumber=52142)

<sup>4</sup> <http://dublincore.org/documents/dces/>

<sup>5</sup> <http://dublincore.org/documents/dcmi-terms/>

<b>Resource</b>	<b>Superclass of all classes used in the model</b>	<b>Entity</b>	<b>Resource</b>	<b>See</b> <a href="http://dublincore.org/documents/abstract-model/#sect-7">http://dublincore.org/documents/abstract-model/#sect-7</a>	<b>Anything that might be identified</b>	<code>&lt;rdf:type&gt;rdf:Resource&lt;/rdf:type&gt;</code>	✓
[Requirement 6]	Resources must be identified by identifiers that are unique, machine readable and persistent.	Property	identifier	<a href="http://purl.org/dc/elements/1.1/identifier">http://purl.org/dc/elements/1.1/identifier</a> or <a href="http://purl.org/dc/terms/identifier">http://purl.org/dc/terms/identifier</a>	An unambiguous reference to the resource within a given context.	<code>&lt;dcterms:identifier&gt;http://d-nb.info/gnd/118624792&lt;/dcterms:identifier&gt;</code>	✓
[Requirement 7]	Resources must be identified by a name/appellation that allows to distinguish between resources of the same type	Property	title	<a href="http://purl.org/dc/elements/1.1/title">http://purl.org/dc/elements/1.1/title</a> or <a href="http://purl.org/dc/terms/title">http://purl.org/dc/terms/title</a>	A name given to the resource.	<code>&lt;dcterms:title&gt;Brustbildnis des Somali Hassanó&lt;/dcterms:title&gt;</code>	✓
[Requirement 8]	The nature of a resource must be described using 1-n controlled values.	Property	type	<a href="http://purl.org/dc/elements/1.1/type">http://purl.org/dc/elements/1.1/type</a> or <a href="http://purl.org/dc/terms/type">http://purl.org/dc/terms/type</a>	The nature or genre of the resource.  dc:type and dcterms:type are repeatable	<code>&lt;dcterms:type&gt;http://purl.org/dc/dcmitype/Image&lt;/dcterms:type&gt;</code>	✓
[Requirement 9]	Resources can be interlinked with 0-n other resources.	Occurrence		All Dublin Core properties are repeatable.		<code>&lt;dcterms:subject&gt;abstract painting&lt;/dcterms:subject&gt;&lt;dc:subject&gt;landscape&lt;/dcterms:subject&gt;</code>	✓
[Requirement 10]	Resources must be interlinked with each other using unique, machine readable and persistent identifier.	Values		For Dublin Core properties that may be used with non-literal values see: <a href="http://wiki.dublincore.org/index.php/User_Guide/Publishing_Metadata">http://wiki.dublincore.org/index.php/User_Guide/Publishing_Metadata</a> .		<code>&lt;dcterms:creator rdf:resource="http://d-nb.info/gnd/40600-4"&gt;</code>	✓
[Requirement 11]	The nature of the relation between two resources can be specified using	Property					✗

	controlled values.						
[Requirement 12]	The relation between two resources can be specified by the time this relation was valid.	Property					X
[Requirement 71]	Topics of information resources must be described using controlled values	Property	subject	<a href="http://purl.org/dc/elements/1.1/subject">http://purl.org/dc/elements/1.1/subject</a> or <a href="http://purl.org/dc/terms/subject">http://purl.org/dc/terms/subject</a>	The topic of the resource.	<dc:subject> rdf:resource="http://d-nb.info/gnd/4448739-3">	✓
[Requirement 72]	Resources used as access points must be identified as instances of one or more classes.	Property	type	<a href="http://purl.org/dc/elements/1.1/type">http://purl.org/dc/elements/1.1/type</a> or <a href="http://purl.org/dc/terms/type">http://purl.org/dc/terms/type</a>	The nature or genre of the resource.	<dc:type>Culicidae</dc:type>	✓
<b>Metadata Set</b>	<b>The machine readable description of a single resource by statements.</b>	<b>Entity</b>	<b>Dataset</b>	<b><a href="http://purl.org/dc/dcmitype/Dataset">http://purl.org/dc/dcmitype/Dataset</a></b>	<b>Data encoded in a defined structure.</b>	<b>&lt;rdf:type&gt; <a href="http://purl.org/dc/dcmitype/Dataset">http://purl.org/dc/dcmitype/Dataset</a>&lt;/rdf:type&gt;</b>	<b>✓</b>
[Requirement 1]	Resource descriptions must be machine readable.			Dublin Core supports a machine readable structured description of resources in TEXT, HTML, XML and RDF (Syntax guidelines at <a href="http://dublincore.org/specifications/">http://dublincore.org/specifications/</a> ).		<a href="http://oai.hab.de/?verb=GetRecord&amp;metadataPrefix=oai_dc&amp;identifier=oai:diglib.hab.de:ppn_345020588">http://oai.hab.de/?verb=GetRecord&amp;metadataPrefix=oai_dc&amp;identifier=oai:diglib.hab.de:ppn_345020588</a>	✓
[Requirement 2]	Resource descriptions must be compliant to the one-to-one principle			According to the DCMI Abstract Model "each DC metadata descriptions describes one, and only one, resource" ( <a href="http://dublincore.org/documents/abstract-model/index.shtml">http://dublincore.org/documents/abstract-model/index.shtml</a> )			✓
[Requirement 3]	A resource description must provide all attributes necessary to identify the resource and distinguish it from other resources of the same type.	Property		With the DMES Dublin Core provides a set of 15 core elements that are sufficient for the identification and differentiation of a wide range of resources			✓
[Requirement 4]	Resource descriptions must be identified by identifiers that are	Property	identifier	<a href="http://purl.org/dc/elements/1.1/identifier">http://purl.org/dc/elements/1.1/identifier</a> or	An unambiguous reference to the resource within a given	<dc:identifier>oai:contentdm.u b.uni-	✓

	unique, machine readable and persistent.			<a href="http://purl.org/dc/terms/identifier">http://purl.org/dc/terms/identifier</a>	context.	koeln.de:totenzettel/5</dc:identifier>	
[Requirement 5a]	Creation of resource descriptions must be documented by time stamps.	Property	created	<a href="http://purl.org/dc/terms/created">http://purl.org/dc/terms/created</a>	Date of creation of the resource.	<dcterms:created>2015-03-21</dcterms:created>	✓
[Requirement 5b]	Modification of resource descriptions must be documented by time stamps.	Property	modified	<a href="http://purl.org/dc/terms/modified">http://purl.org/dc/terms/modified</a>	Date on which the resource was changed.	<dcterms:modified>2015-07-02</dcterms:modified>	✓
[Requirement 63]	Resource descriptions must include information about the reusability of these descriptions (e.g. license information)	Property	license	<a href="http://purl.org/dc/terms/license">http://purl.org/dc/terms/license</a>	A legal document giving permission to do something with the resource.	<dcterms:license> <a href="http://creativecommons.org/publicdomain/zero/1.0/">http://creativecommons.org/publicdomain/zero/1.0/</a> </dcterms:license>	✓
[Requirement 64]	Resource descriptions must be compliant to a cross-domain or domain-specific metadata standard.			DCMES "is a standard for cross-domain information resource description." (see <a href="http://www.dublincore.org/documents/2004/12/20/dces/">http://www.dublincore.org/documents/2004/12/20/dces/</a> )			✓
[Requirement 65]	Resource descriptions must refer to the used metadata standard(s)	Property	conformsTo	<a href="http://purl.org/dc/terms/conformsTo">http://purl.org/dc/terms/conformsTo</a>	An established standard to which the described resource conforms to.	<dcterms:conformsTo> <a href="https://www.openarchives.org/OAI/2.0/oai_dc.xsd">https://www.openarchives.org/OAI/2.0/oai_dc.xsd</a> </dcterms:conformsTo>	✓
<b>Item</b>	<b>A real world thing in a collection</b>	<b>Entity</b>	<b>PhysicalResource</b>	<a href="http://purl.org/dc/terms/PhysicalResource">http://purl.org/dc/terms/PhysicalResource</a>	<b>A material thing.</b>	<rdf:type> <a href="http://purl.org/dc/terms/PhysicalResource">http://purl.org/dc/terms/PhysicalResource</a> </rdf:type>	✓
[Requirement 13]	Item descriptions can be interlinked with evidence.	Property	isReferencedBy	<a href="http://purl.org/dc/terms/isReferencedBy">http://purl.org/dc/terms/isReferencedBy</a>	A related resource that references, cites, or otherwise points to the described resource.	<dcterms:isReferencedBy> <a href="http://telota.bbaw.de/AvHBriefedition/#/1">http://telota.bbaw.de/AvHBriefedition/#/1</a> </isReferencedBy>	✓
[Requirement 20]	Item descriptions must be interlinked with 1-n events in the lifecycle of the	Property	relation	<a href="http://purl.org/dc/elements/1.1/relation">http://purl.org/dc/elements/1.1/relation</a> or <a href="http://purl.org/dc/terms/relation">http://purl.org/dc/terms/relation</a>	A related resource. dc:relation and	<dcterms:relation>E77DSTVDP A5RV3FNZCE23CS6AVN4MOW	✓

	item.			<a href="#">lation</a>	dcterms:relation are repeatable.	O</dcterms:relation>	
[Requirement 75]	Items must be identified by identifiers that are unique, machine readable and persistent.	Property	identifier	<a href="http://purl.org/dc/elements/1.1/identifier">http://purl.org/dc/elements/1.1/identifier</a> or <a href="http://purl.org/dc/terms/identifier">http://purl.org/dc/terms/identifier</a>	An unambiguous reference to the resource within a given context.	<dcterms:identifier>DE-MUS-789911/lido/Wig74</dcterms:identifier>	✓
[Requirement 76]	Items must be identified by a name or appellation.	Property	title	<a href="http://purl.org/dc/elements/1.1/title">http://purl.org/dc/elements/1.1/title</a> or <a href="http://purl.org/dc/terms/title">http://purl.org/dc/terms/title</a>	A name given to the resource.	<dcterms:title>Lade der Frisörinnung Eckernförde</dcterms:title>	✓
[Requirement 42]	For items a digital representation/copy can be available.	Property	relation	<a href="http://purl.org/dc/elements/1.1/relation">http://purl.org/dc/elements/1.1/relation</a> or <a href="http://purl.org/dc/terms/relation">http://purl.org/dc/terms/relation</a>	A related resource.	<dcterms:relation>urn:nbn:de:bsz:105-db-id4104242509</dcterms:relation>	✓
[Requirement 44]	Items can be represented by digital representations in different resolutions.	Property	Relation	dc:relation and dcterms:relation are repeatable		<dcterms:relation>http://digital.ub.tu-freiberg.de/fileadmin/data/410424250/410424250_tif/jpegs/0000001.tif.large.jpg</dcterms:relation><dcterms:relation>http://digital.ub.tu-freiberg.de/fileadmin/data/410424250/410424250_tif/jpegs/0000001.tif.small.jpg</dcterms:relation>	✓
[Requirement 51]	Item descriptions must be assigned to 1-n collections.	Property	isPartOf	<a href="http://purl.org/dc/terms/isPartOf">http://purl.org/dc/terms/isPartOf</a>	A related resource in which the described resource is physically or logically included.	<dcterms:isPartOf>http://digital.ub.tu-freiberg.de/fileadmin/data/410424250/410424250_tif/jpegs/0	✓

					dcterms:isPartOf is repeatable	0000001.tif.large.jpg</dcterms:isPartOf><dcterms:isPartOf>http://digital.ub.tu-freiberg.de/fileadmin/data/410424250/410424250_tif/jpegs/0000001.tikf.small.jpg</dcterms:isPartOf>	
[Requirement 52]	All items of a collection must be interlinked with the collection using unique, machine readable and persistent identifiers.	Property	identifier	<a href="http://purl.org/dc/element/1.1/identifier">http://purl.org/dc/element/1.1/identifier</a> or <a href="http://purl.org/dc/terms/identifier">http://purl.org/dc/terms/identifier</a>	An unambiguous reference to the resource within a given context.	<dcterms:identifier>DE-MUS-789911/lido/Wig74</dcterms:identifier>	✓
[Requirement 77]	Item descriptions must interlink with information about the current location of the item.	Property					✗
[Requirement 59]	Item descriptions must provide machine readable information about the accessibility and usability of items.	Property	rights	<a href="http://purl.org/dc/element/1.1/rights">http://purl.org/dc/element/1.1/rights</a> or <a href="http://purl.org/dc/terms/rights">http://purl.org/dc/terms/rights</a>	Information about rights held in and over the resource.	<dc:rights>Items of this project can only be read and used by members of myProject</dc:rights>	✓
<b>Evidence</b>	<b>A resource proving the reliability of a statement about a resource.</b>	<b>Entity</b>					✗
[Requirement 15]	Evidences can be machine readable.			Out of scope			✗
[Requirement 16]	The nature of an evidence must be described by 1-n controlled values	Property	type	<a href="http://purl.org/dc/element/1.1/type">http://purl.org/dc/element/1.1/type</a> or <a href="http://purl.org/dc/terms/type">http://purl.org/dc/terms/type</a>	The nature or genre of the resource.  dc:type and dcterms:type are repeatable	<dcterms:type>http://purl.org/dc/terms/BibliographicResource</dcterms:type>	✓
[Requirement 17]	Information about resources in an evidence must be identified by unique identifiers.	Property		Out of scope			✗

[Requirement 18]	Information about the nature of a resource in an evidence must be identified by 1-n controlled values.	Property		Out of scope			X
[Requirement 78]	Evidence descriptions must provide information about the accessibility and reusability of the resource.	Property	license	<a href="http://purl.org/dc/terms/license">http://purl.org/dc/terms/license</a>	A legal document giving permission to do something with the resource.	<dcterms:license> <a href="http://creativecommons.org/publicdomain/zero/1.0/">http://creativecommons.org/publicdomain/zero/1.0/</a> </dcterms:license>	✓
<b>Event</b>	<b>An activity in the lifecycle of a resource</b>	<b>Entity</b>	<b>Event</b>	<a href="http://purl.org/dc/dcmitype/Event">http://purl.org/dc/dcmitype/Event</a>	<b>A non-persistent, time-based occurrence.</b>	<rdf:type> <a href="http://purl.org/dc/dcmitype/Event">http://purl.org/dc/dcmitype/Event</a> </rdf:type>	✓
[Requirement 79]	Event descriptions can be interlinked with evidence about the event (e.g. documents)	Property	isReferencedBy	<a href="http://purl.org/dc/terms/isReferencedBy">http://purl.org/dc/terms/isReferencedBy</a>	A related resource that references, cites, or otherwise points to the described resource.	<dcterms:isReferencedBy> <a href="http://telota.bbaw.de/AvHBriefedition/#/1">http://telota.bbaw.de/AvHBriefedition/#/1</a> </isReferencedBy>	✓
[Requirement 21]	Event descriptions must be machine readable.			Dublin Core supports a machine readable structured description of resources in TEXT, HTML, XML and RDF (Syntax guidelines at <a href="http://dublincore.org/specifications/">http://dublincore.org/specifications/</a> ).			✓
[Requirement 22]	Event descriptions must show the nature of the relation between items, agents, places and/or time.	Property					X
[Requirement 23]	An event in the lifecycle must be related to 1-n items.	Property	relation	<a href="http://purl.org/dc/elements/1.1/relation">http://purl.org/dc/elements/1.1/relation</a> or <a href="http://purl.org/dc/terms/relation">http://purl.org/dc/terms/relation</a>	A related resource.  dc:relation and dcterms:relation are repeatable.	<dcterms:relation>DE-MUS-789911/lido/Fr70</dcterms:relation>	✓
[Requirement 24]	An event in the lifecycle of an item must be related to 0-n agents	Property	relation	<a href="http://purl.org/dc/elements/1.1/relation">http://purl.org/dc/elements/1.1/relation</a> or <a href="http://purl.org/dc/terms/relation">http://purl.org/dc/terms/relation</a>	A related resource.  dc:relation and dcterms:relation are	<dcterms:relation> <a href="http://d-nb.info/gnd/131724126">http://d-nb.info/gnd/131724126</a> </dcterms:relation>	✓

				<a href="#">lation</a>	repeatable.		
[Requirement 25]	The function/role of an agent during an event must be specified using controlled values (e.g. creator, dealer, collector).	Property		DCMI only differentiates between creator, contributor and publisher			X
[Requirement 26]	An event in the lifecycle of an item must be related to 0-n places.	Property	relation	<a href="http://purl.org/dc/elements/1.1/relation">http://purl.org/dc/elements/1.1/relation</a> or <a href="http://purl.org/dc/terms/relation">http://purl.org/dc/terms/relation</a>	A related resource. dc:relation and dcterms:relation are repeatable.	<dcterms:relation> <a href="http://vocab.getty.edu/tgn/7005246">http://vocab.getty.edu/tgn/7005246</a> </dcterms:relation>	✓
[Requirement 27]	An event in the lifecycle of an item must be related to 0-n date information.	Property	date	<a href="http://purl.org/dc/elements/1.1/date">http://purl.org/dc/elements/1.1/date</a> or <a href="http://purl.org/dc/terms/date">http://purl.org/dc/terms/date</a>	A point or period of time associated with an event in the lifecycle of the resource. dc:date and dcterms:date are repeatable.	<dcterms:date>2007-03-12</dcterms:date>	✓
<b>Time</b>	<b>A time span related to a resource via an activity or as a topic</b>	<b>Entity</b>	<b>PeriodOfTime</b>	<b><a href="http://purl.org/dc/terms/PeriodOfTime">http://purl.org/dc/terms/PeriodOfTime</a></b>	<b>An interval of time that is named or defined by its start and end dates.</b>	<b>&lt;rdf:type&gt; <a href="http://purl.org/dc/terms/PeriodOfTime">http://purl.org/dc/terms/PeriodOfTime</a>&lt;/rdf:type&gt;</b>	<b>✓</b>
[Requirement 29]	Date and time indication must be machine readable.	Datatype	W3CDTF	<a href="http://purl.org/dc/terms/W3CDTF">http://purl.org/dc/terms/W3CDTF</a>	The set of dates and times constructed according to the W3C Date and Time Formats Specification.	<dcterms:created rdfs:datatype="W3CDTF">2007-03-12</dcterms:created>	✓
[Requirement 30]	Date information must be compliant to date type standards.	Datatype	W3CDTF	The use of W3CDTF allows the validation of date information concerning its compliance with a machine readable standard.		<dcterms:created rdfs:datatype="W3CDTF">2007-03-12</dcterms:created>	✓
[Requirement 80]	A human readable form of date information can only be used in	Value		dc:date and all its sub-properties are repeatable.		<dcterms:created rdfs:datatype="W3CDTF">1875	✓



	addition to a machine readable form.					</dcterms:created> <dcterms:created>approximately 1875</dcterms:created>	
[Requirement 81]	A human readable form of date information can use values of a controlled vocabulary.	value		dc:date may be used with non-literal values		<dc:date> http://d-nb.info/gnd/4006499-2</dc:date>	✓
<b>Agent</b>	<b>A person, organization or group related to a resource via an activity or as a topic.</b>	<b>Entity</b>	<b>Agent</b>	<b><a href="http://purl.org/dc/terms/Agent">http://purl.org/dc/terms/Agent</a></b>	<b>A resource that acts or has the power to act.</b>	<b>&lt;rdf:type&gt; <a href="http://purl.org/dc/terms/Agent">http://purl.org/dc/terms/Agent</a> &lt;/rdf:type&gt;</b>	<b>✓</b>
[Requirement 32]	Agents must be identified by name and biographical information.	Property		Out of scope			✗
[Requirement 33]	Agents must be identified by identifiers that are unique, machine readable and persistent.	Property	identifier	<a href="http://purl.org/dc/elements/1.1/identifier">http://purl.org/dc/elements/1.1/identifier</a> or <a href="http://purl.org/dc/terms/identifier">http://purl.org/dc/terms/identifier</a>	An unambiguous reference to the resource within a given context.	<dcterms:identifier> <a href="http://d-nb.info/gnd/118554700">http://d-nb.info/gnd/118554700</a> </dcterms:identifier>	✓
[Requirement 34]	Agent descriptions can interlink with resources related to the agent.	Property	relation	<a href="http://purl.org/dc/elements/1.1/relation">http://purl.org/dc/elements/1.1/relation</a> or <a href="http://purl.org/dc/terms/relation">http://purl.org/dc/terms/relation</a>	A related resource.	<dcterms:relation> <a href="http://telota.bbaw.de/AvHBriefedition/#/1">http://telota.bbaw.de/AvHBriefedition/#/1</a> </dcterms:relation>	✓
[Requirement 35]	Agent descriptions must be machine readable.			Dublin Core supports a machine readable structured description of resources in TEXT, HTML, XML and RDF (Syntax guidelines at <a href="http://dublincore.org/specifications/">http://dublincore.org/specifications/</a> ).			✓
[Requirement 36]	Agent descriptions can interlink with places related to the agent.	Property	relation	<a href="http://purl.org/dc/elements/1.1/relation">http://purl.org/dc/elements/1.1/relation</a> or <a href="http://purl.org/dc/terms/relation">http://purl.org/dc/terms/relation</a>	A related resource.	<dcterms:relation> <a href="http://vocab.getty.edu/tgn/7005246">http://vocab.getty.edu/tgn/7005246</a> </dcterms:relation>	✓
[Requirement 37]	The relation between an agent and a place can be specified by the character of the relation (e.g. visitor	Property					✗

	or resident)						
[Requirement 38]	The relation between an agent and a place can be specified by the time this relation was valid.	Property					X
<b>Place</b>	<b>A geographic location related to a resource via an activity or topic.</b>	<b>Entity</b>	<b>Location</b>	<b><a href="http://purl.org/dc/terms/Location">http://purl.org/dc/terms/Location</a></b>	<b>A spatial region or named place.</b>	<b>&lt;rdf:type&gt; <a href="http://purl.org/dc/terms/Location">http://purl.org/dc/terms/Location</a>&lt;/rdf:type&gt;</b>	<b>✓</b>
[Requirement 39]	Places must be identified by identifiers that are unique, machine readable and persistent.	Property	identifier	<a href="http://purl.org/dc/elements/1.1/identifier">http://purl.org/dc/elements/1.1/identifier</a> or <a href="http://purl.org/dc/terms/identifier">http://purl.org/dc/terms/identifier</a>	An unambiguous reference to the resource within a given context.	<dcterms:identifier> <a href="http://vocab.getty.edu/tgn/7005246">http://vocab.getty.edu/tgn/7005246</a> </dcterms:identifier>	✓
[Requirement 40]	Places must be identified by machine readable geo-information / geographic coordinates	Datatype	Point	<a href="http://purl.org/dc/terms/Point">http://purl.org/dc/terms/Point</a>	The set of points in space defined by their geographic coordinates according to the DCMI Point Encoding Schema.	See <a href="http://dublincore.org/documents/dcmi-point/">http://dublincore.org/documents/dcmi-point/</a>	✓
[Requirement 41]	Place descriptions can include 1-n place appellations.	Property	title	<a href="http://purl.org/dc/elements/1.1/title">http://purl.org/dc/elements/1.1/title</a> or <a href="http://purl.org/dc/terms/title">http://purl.org/dc/terms/title</a>	A name given to the resource.  dc:title and dcterms:title are repeatable.	<dcterms:title>Sankt-Peterburg</dcterms:title><dcterms:title>Gorod Leningrad</dcterms:title>	✓
<b>Digital Representation</b>	<b>A digital resource depicting an item</b>	<b>Entity</b>					<b>X</b>
[Requirement 43]	A digital representation/copy must enable the identification of the item it represents.			Out of scope			X
[Requirement 45]	The nature of a digital representation must be described using a controlled	Property	type	<a href="http://purl.org/dc/elements/1.1/type">http://purl.org/dc/elements/1.1/type</a> or <a href="http://purl.org/dc/terms/type">http://purl.org/dc/terms/type</a>	The nature or genre of the resource.	<dcterms:type> <a href="http://purl.org/dc/dcmitype/Image">http://purl.org/dc/dcmitype/Image</a> </dcterms:type>	✓

	value.			<a href="#">pe</a>	dc:type and dcterms:type are repeatable	ype>	
[Requirement 60]	Descriptions of digital representations must provide information about the reusability of the digital representation (e.g. license).	Property	license	<a href="http://purl.org/dc/terms/license">http://purl.org/dc/terms/license</a>	A legal document giving permission to do something with the resource.	<dcterms:license> <a href="http://creativecommons.org/publicdomain/zero/1.0/">http://creativecommons.org/publicdomain/zero/1.0/</a> </dcterms:license>	✓
[Requirement 61]	Descriptions of a digital representation must provide contact information related to the usability of a digital copy.	Property	rightsHolder	<a href="http://purl.org/dc/terms/rightsHolder">http://purl.org/dc/terms/rightsHolder</a>	A person or organization owning or managing rights over the resource.	<dcterms:rightsHolder> <a href="http://ld.zdb-services.de/resource/organisations/DE-7">http://ld.zdb-services.de/resource/organisations/DE-7</a> </dcterms:rightsHolder>	✓
[Requirement 82]	Digital representations must be identified by identifiers that are unique, machine readable and persistent.	Property	identifier	<a href="http://purl.org/dc/elements/1.1/identifier">http://purl.org/dc/elements/1.1/identifier</a> or <a href="http://purl.org/dc/terms/identifier">http://purl.org/dc/terms/identifier</a>	An unambiguous reference to the resource within a given context.	<dcterms:identifier>urn:nbn:de:bsz:105-db-id4104242509</dcterms:identifier>	✓
<b>Collection</b>	<b>An aggregation of items:</b>	<b>Entity</b>	<b>Collection</b>	<a href="http://purl.org/dc/dcmitype/Collection">http://purl.org/dc/dcmitype/Collection</a>	<b>An aggregation of resources.</b>	<rdf:type> <a href="http://purl.org/dc/dcmitype/Collection">http://purl.org/dc/dcmitype/Collection</a> </rdf:type>	✓
[Requirement 46]	Collection descriptions must be machine readable.			Dublin Core supports a machine readable structured description of resources in TEXT, HTML, XML and RDF (Syntax guidelines at <a href="http://dublincore.org/specifications/">http://dublincore.org/specifications/</a> ).			✓
[Requirement 47]	Collections must be identified by identifiers that are unique, machine readable and persistent.	Property	identifier	<a href="http://purl.org/dc/elements/1.1/identifier">http://purl.org/dc/elements/1.1/identifier</a> or <a href="http://purl.org/dc/terms/identifier">http://purl.org/dc/terms/identifier</a>	An unambiguous reference to the resource within a given context.	<dcterms:identifier> <a href="http://ld.zdb-services.de/resource/organisations/DE-MUS-056315">http://ld.zdb-services.de/resource/organisations/DE-MUS-056315</a> </dcterms:identifier>	✓
[Requirement 48]	Collections must be identified by an explicit name.	Property	title	<a href="http://purl.org/dc/elements/1.1/title">http://purl.org/dc/elements/1.1/title</a> or <a href="http://purl.org/dc/terms/title">http://purl.org/dc/terms/title</a>	A name given to the resource.	<dcterms:title>Museum of Zoology at the University of	✓

				<a href="#">le</a>		Göttingen</dcterms:title>	
[Requirement 49]	Collection descriptions must include information about the location/place of the collection.	Property	relation	<a href="http://purl.org/dc/elements/1.1/relation">http://purl.org/dc/elements/1.1/relation</a> or <a href="http://purl.org/dc/terms/relation">http://purl.org/dc/terms/relation</a>	A related resource.	<dcterms:relation> <a href="http://vocab.getty.edu/tgn/7005246">http://vocab.getty.edu/tgn/7005246</a> </dcterms:relation>	✓
[Requirement 50]	Collection descriptions must be compliant to a cross-domain metadata standard.			The DCMI-Community has developed an Application Profile for collection descriptions (see DCAP at <a href="http://dublincore.org/groups/collections/collection-application-profile/">http://dublincore.org/groups/collections/collection-application-profile/</a> )			✓
<b>Statement</b>	<b>A predication about an item.</b>	<b>Entity</b>					✗
[Requirement 31]	A statement can be interlinked with date information.	Property	date	<a href="http://purl.org/dc/elements/1.1/date">http://purl.org/dc/elements/1.1/date</a> or <a href="http://purl.org/dc/terms/date">http://purl.org/dc/terms/date</a>	A point or period of time associated with an event in the lifecycle of the resource.	<dcterms:date>2007-03-12</dcterms:date>	✓
[Requirement 53]	All statements must be repeatable.	Property		All Dublin Core properties are repeatable.			✓
[Requirement 73]	Statements can be interlinked with information about their origin.	Property	provenance	<a href="http://purl.org/dc/terms/provenance">http://purl.org/dc/terms/provenance</a>	A statement of any changes in ownership and custody of the resource since its creation that are significant for its authenticity, integrity, and interpretation.	<dcterms:provenance>ex:myProvenanceStatement</dcterms:provenance>	✓
[Requirement 74]	Statements can be interlinked with resources.	Property	relation	<a href="http://purl.org/dc/elements/1.1/relation">http://purl.org/dc/elements/1.1/relation</a> or <a href="http://purl.org/dc/terms/relation">http://purl.org/dc/terms/relation</a>	A related resource.  dc:relation and dcterms:relation are repeatable.	<dcterms:relation> urn:nbn:de:bsz:105-db-id4104242509</dcterms:relation>	✓
[Requirement 54]	Statements can be interlinked with resources proving their reliability.	Property	relation	<a href="http://purl.org/dc/elements/1.1/relation">http://purl.org/dc/elements/1.1/relation</a> or <a href="http://purl.org/dc/terms/relation">http://purl.org/dc/terms/relation</a>	A related resource.  dc:relation and	<dcterms:relation> <a href="http://telota.bbaw.de/AvHBriefedition/#/1">http://telota.bbaw.de/AvHBriefedition/#/1</a> <	✓

				<a href="#">lation</a>	dcterms:relation are repeatable.	/dcterms:relation>	
[Requirement 55]	Inconsistency of statements is allowed if the metadata refers to the origin of the statements.	Validation		Out of scope.			✗
[Requirement 86]	A statement can related to 0-n places.	Property	relation	<a href="http://purl.org/dc/elements/1.1/relation">http://purl.org/dc/elements/1.1/relation</a> or <a href="http://purl.org/dc/terms/relation">http://purl.org/dc/terms/relation</a>	A related resource.	<dcterms:relation>http://vocab.getty.edu/tgn/7005246</dcterms:relation><dcterms:relation>http://vocab.getty.edu/tgn/7013394</dcterms:relation>	✓
<b>Holding</b>	<b>The place an item is located, subclass of place</b>	<b>Entity</b>					✗
[Requirement 83]	Holdings must be identified by identifiers that are unique, machine readable and persistent	Property	identifier	<a href="http://purl.org/dc/elements/1.1/identifier">http://purl.org/dc/elements/1.1/identifier</a> or <a href="http://purl.org/dc/terms/identifier">http://purl.org/dc/terms/identifier</a>	An unambiguous reference to the resource within a given context.	<dcterms:identifier>http://ld.zdb-services.de/resource/organisations/DE-7</dcterms:identifier>	✓
[Requirement 84]	Holdings can be identified by machine readable geo-information / geographic coordinates.	Property	spatial	<a href="http://purl.org/dc/terms/spatial">http://purl.org/dc/terms/spatial</a>	Spatial characteristics of the resource.	<dcterms:spatial>east=115.85717; north=-31.95301</dcterms:spatial>	✓
[Requirement 85]	Holding descriptions must include 1-n place appellations.	Property	spatial	<a href="http://purl.org/dc/terms/spatial">http://purl.org/dc/terms/spatial</a>	Spatial characteristics of the resource.	<dcterms:spatial>http://vocab.getty.edu/tgn/7005246</dcterms:spatial>	✓
[Requirement 58]	Holding descriptions must provide contact information.	Property					✓
<b>Concept</b>	<b>A term from a controlled vocabulary</b>	<b>Entity</b>					✗
[Requirement 66]	Controlled values used for the description of resources must be values of a domain-specific or a	Value		DCMI Metadata terms refer to the following controlled vocabularies: DCMI Type Vocabulary, DDC, IMT, LCC, LCSH, MESH, NLM, TGN, UDC (see			✓

	cross-domain standard.			<a href="http://dublincore.org/documents/dcmi-terms/#H4">http://dublincore.org/documents/dcmi-terms/#H4</a> ).			
[Requirement 67]	Controlled values used for the description of resources must be identified by identifiers that are unique, machine readable and persistent.	Property	identifier	<a href="http://purl.org/dc/elements/1.1/identifier">http://purl.org/dc/elements/1.1/identifier</a> or <a href="http://purl.org/dc/terms/identifier">http://purl.org/dc/terms/identifier</a>	An unambiguous reference to the resource within a given context.	<dcterms:identifier> <a href="http://id.loc.gov/authorities/subjects/sh85138958">http://id.loc.gov/authorities/subjects/sh85138958</a> </dcterms:identifier>	✓
[Requirement 68]	The used controlled vocabularies must be available in machine readable form.	Value		Out of scope.			✗
[Requirement 69]	The used controlled vocabularies must be available open access.	Value		Out of scope.			✗
[Requirement 70]	Synonym appellations must be merged using authorities.	Value		Out of scope.			✗